

AMENDMENTS TO THE SPECIFICATION

***(All paragraph references are to numbered paragraphs in
U.S. Patent Application Publication No. 2003/0036010 A1)***

Replace paragraph [0065] with the following new paragraph:

[0065] The volume mean diameter of toner particles can be measured by various methods. In the present invention, "~~Coulter Counter Model~~ COULTER COUNTER MODEL TA-II" (trademark) particle counting and analyzing apparatus, which is available from Coulter Electronics Inc., is used for the measurement of the volume mean diameter of the toner particles.

Replace paragraph [0092] with the following new paragraph:

[0092] The glass transition point (T_g) of the binder resin can be measured by a commercially available tester - (Trademark "~~Rigaku Thermoflex~~ RIGAKU THERMOFLEX TG8110" made by Rigaku Denki Company, Ltd.) with a temperature elevation rate of 10°C/min.

Replace paragraph [0093] with the following new paragraph:

[0093] The melting point of the binder resin for use in the present invention is determined, using a commercially available flow testing instrument (Trademark "~~Capillary Rheometer Shimadzu Flowmeter~~ CAPILLARY RHEOMETER SHIMADZU FLOWMETER CFT-500D" made by Shimadzu Corporation), under the conditions that the dies diameter

is 1 mm, the applied pressure is 20 kg/cm², and the temperature elevation rate is 6°C/min. The melting point measured corresponds to a ½ point in the temperature range from the flow-initiating temperature to the flow-terminating point of a sample (1 cm³) which is fused and caused to flow.

Replace paragraph [0108] with the following new paragraph:

[0108] The blackness of the toner of the present invention in which the blackened magnetic material is used can be represented by a particular CIE L*ab color space, in which it is preferable that the upper limit value of L* be 24.0, more preferably 23.0 or less, furthermore preferably 21.0 or less, and that the values of a and b be ±1.5 or less, more preferably ±1.0 or less. When the value of L* exceeds 24.0, the lightness is increased, so that the degree of blackness of the toner is lowered. When the values of a and b exceed ±1.5, the color withdraws from the black color in the color space, so that the degree of blackness is lowered. The value of the L*ab of the toner can be measured by measuring a solid image formed from the toner on a sheet of paper, using a measuring instrument "~~X-Rite~~ X-RITE 938" (trademark), made by X-Rite, Incorporated.

Replace paragraph [0157] with the following new paragraph:

[0157] To magnetite particles "MTS-305" (trademark), made by Toda Kogyo Corporation, carbon black was added in an amount ratio by weight of 8 wt.%. Using a commercially available mill "MECHANOMILL"

(trademark), made by Okada Seiko Co., Ltd., or "~~Mechanofusion System~~ MECHANOFUSION SYSTEM" (trademark), made by Hosokawa Micron Corporation, the carbon black particles were fixed on the surfaces of the magnetite particles, thereby preparing a blackened magnetic material No. 1.

Replace paragraph [0159] with the following new paragraph:

[0159] To magnetite particles "MTS-305" (trademark), made by Toda Kogyo Corporation, aniline black was added in an amount ratio by weight of 8 wt.%. Using a commercially available mill "MECHANOMILL" (trademark), made by Okada Seiko Co., Ltd., or "~~Mechanofusion System~~ MECHANOFUSION SYSTEM" (trademark), made by Hosokawa Micron Corporation, the aniline black particles were fixed on the surfaces of the magnetite particles, thereby preparing a blackened magnetic material No. 2.

Replace paragraph [0165] with the following new paragraph:

[0165] A mixture of the above components was thoroughly stirred and blended in a ~~Henschel~~ "HENSCHHEL MIXER" (trademark) mixer, and fused and kneaded in a roll mill at 130 to 140°C for about 30 minutes. After the kneaded mixture was cooled to room temperature, the resultant mixture was pulverized using a jet mill pulverizer or mechanical pulverizer, and classified using a classifier by use of air flow.

Replace paragraph [0184] with the following new paragraph:

[0184]

| | Parts by weight |
|---|-----------------|
| Polyester resin (Mw: 5,700, Tg: 63°C, THF insoluble content: 22%) | 100 |
| Low-molecular weight polypropylene (Trademark " Viscol <u>VISCOL</u> 550P", made by Sanyo Chemical Industries, Ltd.) | 5 |
| Blackened magnetic material) No. 1 (average particle diameter: 0.23 µm) | 25 (18.8 wt%) |
| Carbon black (Trademark "#44", made by Mitsubishi Chemical Corporation) | 2 (1.5 wt%) |
| Metal-containing azo compound | 1 |

Replace paragraph [0185] with the following new paragraph:

[0185] A mixture of the above components was thoroughly stirred and blended in a ~~Henschel~~ "HENSCHHEL MIXER" (trademark) mixer, and fused and kneaded in a roll mill at 130 to 140°C for about 30 minutes. After the kneaded mixture was cooled to room temperature, the resultant mixture was pulverized using a jet mill pulverizer or mechanical pulverizer, and classified using a classifier by use of air flow.

Replace paragraph [0203] with the following new paragraph:

[0203] A mixture of the above components was thoroughly stirred and blended in a ~~Henschel~~ "HENSCHEL MIXER" (trademark) mixer, and fused and kneaded in a roll mill at 130 to 140°C for about 30 minutes. After the kneaded mixture was cooled to room temperature, the resultant mixture was pulverized using a jet mill pulverizer or mechanical pulverizer, and classified using a classifier by use of air flow.

Replace paragraph [0210] with the following new paragraph:

[0210] A plain white paper without any toner image was subjected to the electrophotographic copying process to output a paper of A3 size. The A3-size paper thus outputted was evaluated in terms of the occurrence of fogging in such a manner that the optical densities of six portions arbitrarily chosen were measured with a ~~McBeth~~ "MACBETH" (trademark) reflection-type densitometer.

Replace paragraph [0227] with the following new paragraph:

[0227] Using a chart (A3 size) carrying six solid image portions thereon, image formation was carried out on a sheet of paper of A3 size. The image densities of the six solid image portions were measured with a ~~McBeth~~ "MACBETH" (trademark) reflection-type densitometer. The uniformity in solid image was evaluated on five levels according to the variation in the image densities at six positions.